

**GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA**

UNSTARRED QUESTION NO:2724
ANSWERED ON:09.08.2001
SOLAR ENERGY PROJECTS IN NORTH EASTERN REGION
BHIM PRASAD DAHAL

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

- (a) whether the Government propose to set up solar energy projects in North Eastern Region including Sikkim;
- (b) if so, the details thereof ; and
- (c) if not, the reasons therefor ?

Answer

MINISTER OF STATE FOR NON-CONVENTIONAL ENERGY SOURCES (INDEPENDENT CHARGE), (SHRI M. KANNAPPAN)

(a) & (b): The Government is implementing various solar energy programmes all over the country, including the North-Eastern Region and Sikkim. Under these programmes different types of solar energy systems like solar lanterns, home lighting systems, street lighting systems, water pumping systems, stand alone village level power plants, grid connected power plants, solar cookers and solar water heating systems are being promoted through central subsidy, soft loan packages and other incentives. In addition, the Government is supporting the establishment of 'Aditya' solar shops in selected cities in the country.

The Ministry has laid special emphasis on the implementation of solar energy programmes in the North - Eastern region including Sikkim. The Central Financial Assistance (CFA) available from the Ministry under the Solar Photovoltaic (SPV) programme for the distribution / installation of solar lanterns, solar home lighting systems, street lighting systems and stand alone power plants was enhanced from the earlier 50% of ex-works cost to 90% of ex-works cost, subject to certain upper limits from December, 2000. Similarly, the CFA on solar water heating systems was enhanced from Rs.4,000/- to Rs.6,000/- per square meter collector area from December, 2000.

The state-wise details of the solar energy systems installed in the North-Eastern Region including Sikkim as on 31.03.2001 are given in Annexure-I. In addition, 'Aditya' solar shops have been established in Guwahati and Agartala with the Ministry's support.

Some of the projects sanctioned by the Government for these States during 2000-01 are still under implementation. The details of these projects are given in Annexure - II.

Under the current year's Solar Photovoltaic (SPV) Programme, targets for SPV systems have already been allocated to some of the North Eastern States including Sikkim and advance Central Financial Assistance released. The details of these are given in Annexure - III.

(c): Does not arise.

Annexure - I referred to in reply to Parts (a) & (b) of the Lok Sabha Unstarred Question No. 2724 regarding 'Solar Energy Projects in the North Eastern Region' for Thursday, 9th August 2001

STATE-WISE DETAILS OF SOLAR ENERGY SYSTEMS INSTALLED IN NORTH-EASTERN REGION INCLUDING SIKKIM AS ON 31.03.2001)

S.No.	States	SL	HLS	SLS	SC	SWPS	PP
	(Nos.)	(Nos.)	(Nos.)	(Nos.)	(Nos.)	(Nos.)	(kWp)

1.	Arunachal	Pr	4,437	650	738	530	- 7.90
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2.	Assam	541	1,937	98	80	45	3.00
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3. Manipur 3,400 50 370 365 12 11.00
4. Meghalaya 3,200 320 593 1164 5 38.00
5. Mizoram 3,562 1,645 315 110 32 0.00
6. Nagaland 95 143 271 Nil - 6.00
- 7 Sikkim 320 160 127 20 - 0.00
8. Tripura 13,635 1,638 460 79 - 24.57

SL - Solar Lanterns,
HLS - Home Lighting Systems,
SLS - Street Lighting Systems,
PP - SPV Power Plants,
SC - Solar Cookers,
SWPS - Solar Water Pumping Systems

Annexure -II referred to in reply to Parts (a) & (b) of the Lok Sabha Unstarred Question No. 2724 regarding `Solar Energy Projects in the North Eastern Region` for Thursday, 9th August 2001

SOLAR ENRGY PROJECTS SANCTIONED DURING 2000-01 FOR THE NORTH EASTERN REGION INCLUDING SIKKIM, WHICH ARE CURRENTLY UNDER IMPLEMENTATION

1. Installation of 3 village level SPV Power Plants in Arunachal Pradesh
2. Installation of 3 SPV Power Plants in Assam
3. Installation of 14 village level SPV Power Plants in Meghalaya
4. Installation of 4 SPV Power Plants in Mizoram
5. SPV Electrification of 36 villages in Cachar district in Assam
6. Installation of SPV home lighting systems in 400 households of Bodo tribal families in Assam
- 7 Establishment of `Aditya` Solar Shops at Imphal in Manipur, Aizwal in Mizoram, Udiapur in South Tripura and Gangtok in Sikkim (the `Aditya` Solar Shops for Imphal and Aizwal were sanctioned prior to 2000-01).

Anneuxre-III

Annexure -III referred to in reply to Parts (a) & (b) of the Lok Sabha Unstarred Question No. 2724 regarding `Solar Energy Projects in the North Eastern Region` for Thursday, 9th August 2001

TARGETS ALLOCATED FOR SPV SYSTEMS UNDER THE 2001-02 SPV PORGRAMME, ESTIMATED CFA AND ADVANCE CFA RELEASED FOR THE NORTH EASTERN STATES AND SIKKIM

S.No.	State	Agency	Solar	Home	Street	Estimated	Advance
	Lantern	Lighti	Lighti	CFA	CFA		
	Systems		Systems				
	released						

(Nos.) (Nos.) (Nos.) (Rs. In Lakhs) (Rs. In Lakhs)

- 1. Meghalaya MNREDA 500 200 - 35.90 -
- 2. Mizoram ZEDA 1,000 100 - 41.20 19.95
- 3. Sikkim SREDA 300 100 - 19.50 10.00
- 4. Tripura TREDA 3,200 600 300 220.40 112.40